

PATENT ABSTRACTS OF JAPAN

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(54) WRITING SYSTEM FOR SERVO SIGNAL

(57)Abstract:

PURPOSE: To improve the quality of a servo signal as the reference of head positioning and head movement speed control by performing write and read of the servo signal and reproducing of position information as a series of operations and correcting the head position in real time.

CONSTITUTION: The head is positioned to a prescribed position, and the servo signal is written, and the written servo signal is read and reproduced to obtain position information, and head positioning, measurement, and storage are repeated. The interval between preceding and succeeding tracks is obtained and is compared with a preliminarily prescribed value and is evaluated, and operations are continued when this interval is good, but evaluated position information is used as the correction value to perform correction and the servo signal is written again when it is not good. Thus, position information obtained on the condition for write of the servo signal is quickly and faithfully reflected on write of the servo signal to resolve a phenomenon that the positional precision is degraded by the change of temperature due to the time difference.

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